

Daily Debrief 7/19/2016

Next meeting:

Phone: 1-844-467-4685, Pass code: 532355#

Wednesday: 10 am – Weather Brief

Wednesday: 5:30 pm - Daily Debrief

General Information

- The number used to send text messages to the B200: 011881632648063
- Iridium number for C-130: 757-821-2325
- Note: Cleveland has a 30 nm radius temporary flight restriction up to 18000' due to republican convention until Jul 22.
- Note: Democratic convention will have the same 30 nm radius TFR around Philly from July 25-29
- On the date we depart for Lincoln we need to ask everyone to leave their vehicles in the auxiliary lot, the one on the other side of the bridge.

Schedule – C-130 – Wednesday, July 20, 2016

- 10:15 am – Ground Support – Pull out the hangar
- 10:30 am – Fueling
- 11 am – Power on – MFLI warm up start
- 1:00 am Doors Close
- LM – Notify science 3-5 minutes prior to switch over to APU from carts
- 1:30 pm Takeoff (C-130 only), B200: 12:35 pm

Outlook Table

| Date | Weather | Flight plan / take off time | Comments |
|--------------------|-------------------------|---|--|
| Wednesday, 20 July | H pressure, light winds | Fair weather pattern, what orientation? | OOCO-2. Glint track in the region, 20 July (1819Z or 1:18 pm local). Planned 1:30 (C-130) / 12:35 (B200) departure time <hr/> 3.5 hours, C130 |
| Thursday, 21 July | H pressure, light winds | Fair weather pattern | Planned 11 am -12 pm departure time |
| Friday, 22 July | H pressure, light winds | Fair weather pattern | |

| | | | |
|----------------------|---|--|--|
| Saturday, 23 July | As of today, does not appear to be a good day for science | | |
| Sunday, 24 July | As of today, does not appear to be a good day for science | | |

Note: B200: 12 hr. day
C130: 16 hr. day

C-130 Report for 7/18/2016

- The issues seen on the 18th was resolved. The external AC system maintained the temperature in the aircraft and the HF antenna was cut/removed from the plane
 - The plane remained outside overnight. There was heavy rain but very little water was seen inside the plane. This was a good test for Shreveport.
 - IRIG-B time signal cannot be locked on (continuing work)
 - Plane took off at 9am, no problems.
-

B-200 Report for 7/19/2016

- Generator issue, troubleshooting, planning engine runs this evening
-

Weather Brief – Sandip Pal

The Wx Forecast briefing file is located on the Google Drive Link:

<https://drive.google.com/folderview?id=0B9cGPcwIS9gcOTFYUXZ4X0gxTXc&usp=sharing>

Folder NAME: Weather_Outlook_Summer2016

Filename: 20160719_1751_weather_briefing.pptx

Similar PDF has been also uploaded on LaRC site:

Link:

<http://www-air.larc.nasa.gov/missions/ACT-America/reports.2016/index.html>

Please look for "Forecast" column under 'Daily Reports'.

Filename: 2016-07-19_Forecast_20160719_1751_weather_briefing.pdf

Roles & Responsibilities:

Science POC Responsibilities (Ken: Office: 814-863-8601/Cell: 814-206-4133 or designee):

- Provide interim and final flight plans to pilots in time to meet FAA 72-hour deadline
- Communicate takeoff time for both aircraft to aircraft POCs
- Upload science report for each flight to archival website

- Coordinate with OCO-2 science team to finalize satellite viewing tracks and to notify OCO-2 team to avoid target mode during our underflight days

C-130 POC Responsibilities (Linda: Office: 757-824-1072/Cell: 757-894-7831 up to transit flight takeoff on August 1; Cate: Office: 747-824-1525/Cell: 443-614-0668 after transit flight takeoff August 1):

- Get takeoff time decision from science POC
- Define and coordinate aircraft timeline (fueling, doors open and cooling available to research teams for instrument warmup, doors closed time)
- Communicate daily flight schedule to aircraft maintenance personnel and all personnel on flight manifest
- Report to science POC on all updates concerning the aircraft, including mechanical updates
- Ensure proper cooling and ground power for aircraft
- Provide flight manifest to pilots
- Upload daily aircraft report for archival website
- Track aircraft flight hours and keep running total in flight report (including wheels up/down time for data analysis)

B200 POC Responsibilities (Mike Wusk: Office: 757-864-3837/Cell: 757-810-8295):

- Same as above except for B200

Instrument team POCs:

- Provide instrument operator names to each aircraft manifest by noon on day preceding flight
- Upload instrument quick look reports for each flight to archival website
- Report daily instrument status to aircraft POCs

Any issues encountered the day of flight shall be reported to Ken Davis or Designee

EOM